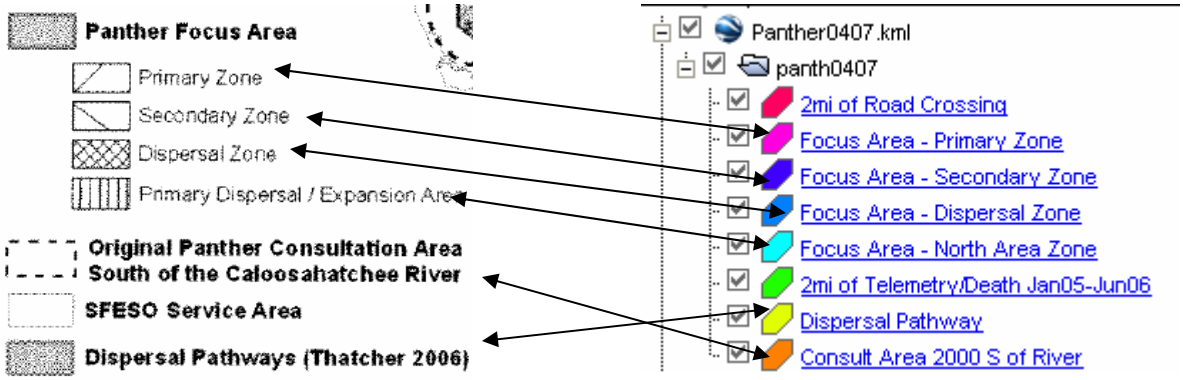
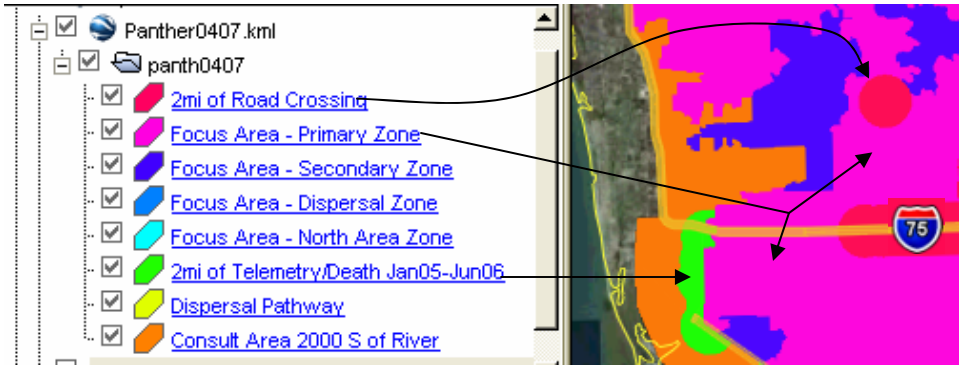
Description of Panth0407.kml

1. Based on the map accompanying the “Florida Panther Effect Determination Key, February 19, 2007”, enclosures of the U.S. Fish and Wildlife Service letter dated February 19, 2007.

2. The relationship between the two map legends are shown below.



3. The sub-layers are like transparencies on an overhead arranged in the order shown on the legend. For examples: The entire 2-mile circle (red) around a Road Crossing is shown; The entire Primary Zone (purple) is shown except where the Road Crossing circle covers it; and, Only the portion of the 2-mile circle (green) around a telemetry point that falls outside of (is not hidden underneath) the Primary Zone is shown.



4. Source. Data provided by USFWS as GIS Shapefiles. These were clipped and assembled into a single GIS file using ArcView/ArcMap and that file converted to *.kml

a. Road Crossing: 2 mile buffer created around each location point in 23Nov05 shapefile. You will see some north and outside of the focus and dispersal layers. They are inside the dispersal map in the Thatcher 2006 report. We are discussing with USFWS.

b. Focus Area: directly from the shapefile dated 28Feb07.

c. Telemetry/Death. 2 mile buffer created around each location point in the 8Nov06 (for telemetry) and 14Feb07 (for death) shapefiles. Points earlier then 1Jan06 were removed. (One record 27Oct06 removed location was given as Univ of Florida, Vet School.)

d. Dispersal Pathway. Used the 6Dec06 “panther consultation area north” shapefile but removed the portion where overlapped the “North Area Zone” of the Focus Area shapefile.

e. Consult Area 2000 S of River. Used the 23Aug00 “flaslopes” shapefile describing the Consultation Area in the map enclosed with the USFWS letter dated August 18, 2000, but removed the portion that was north of the shoreline of the Caloosahatchee River and Lake Okeechobee (the shoreline based on a circa 2000 shapefiles from the Florida Fish and Wildlife Conservation Commission).

The end. Prepared by Bob Barron, 19Apr07